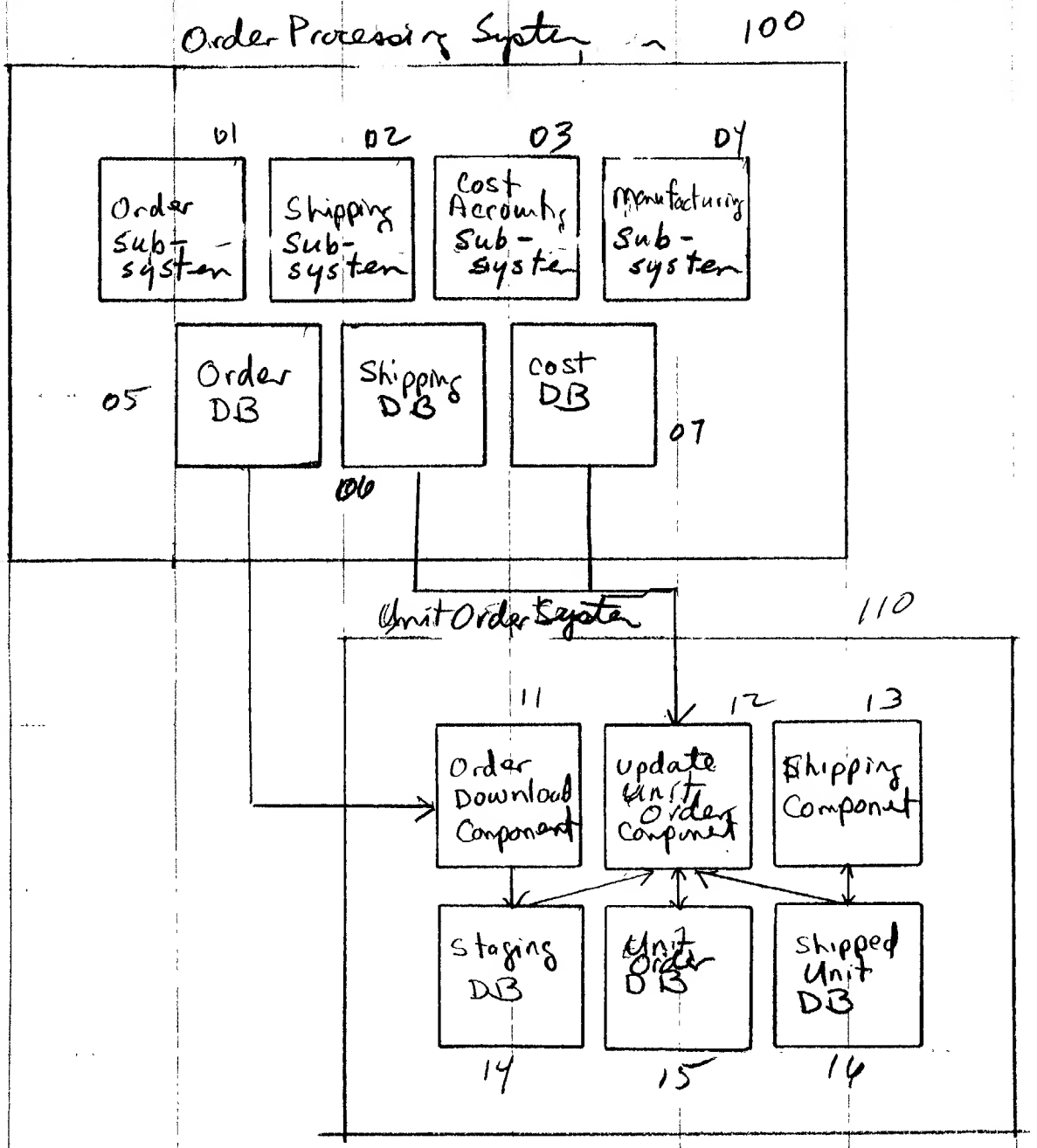
Order Processing System
100
01
02
03
04
Order sub-system
Shipping Sub-system
Cost Accounting Sub-system
Manufacturing Sub-system
05
Order DB
Shipping DB
cost DB
07
106
Unit Order System
110
11
12
13
Order Download Component
Update Unit Order Component
Shipping Component
Staging DB
Unit Order DB
Shipped Unit DB
14
15
16

Fig 1

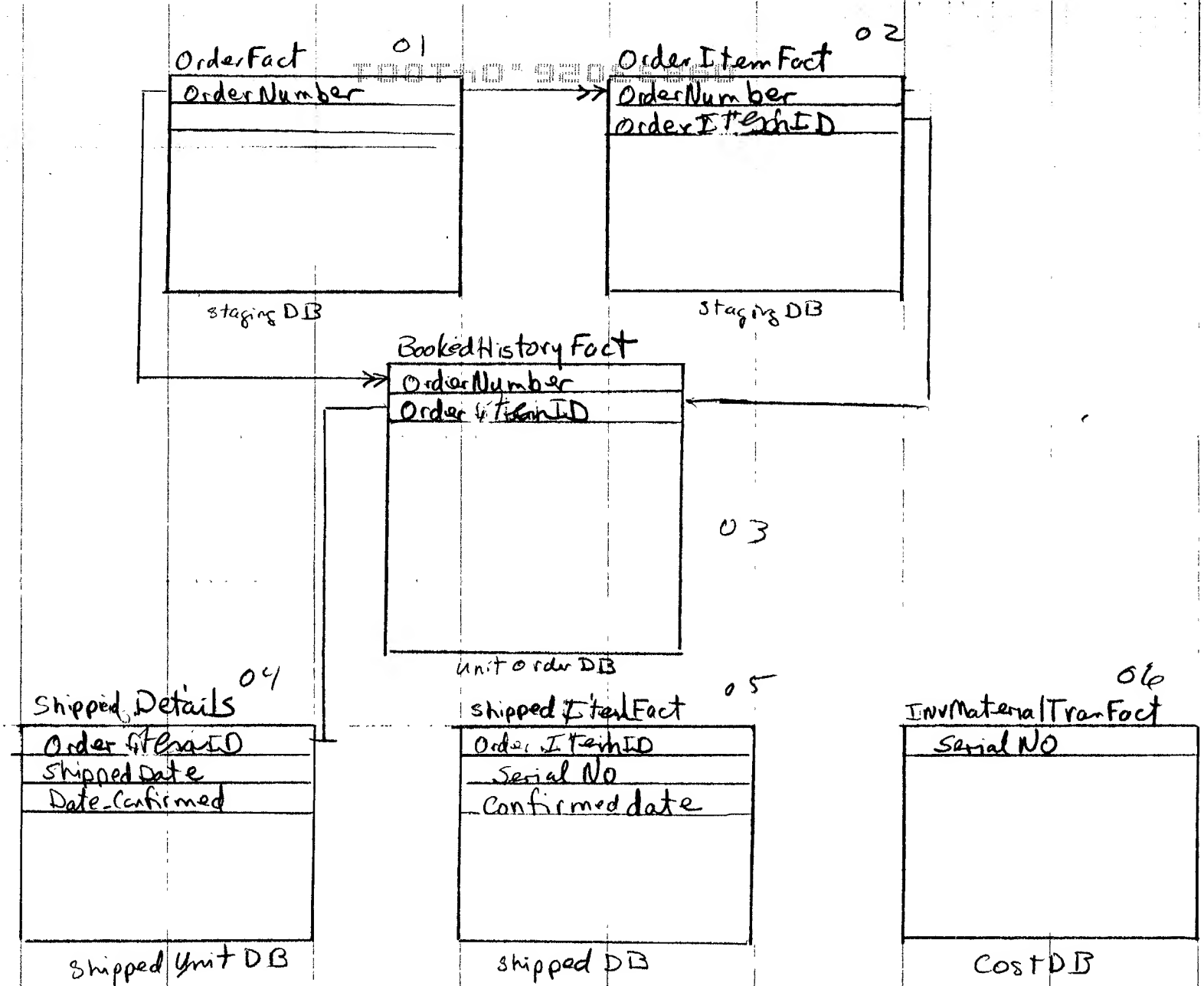
OrderFact
01
OrderNumber
staging DB
OrderItemFact
02
OrderNumber
OrderItemID
staging DB
BookedHistoryFact
OrderNumber
OrderItemID
03
unit order DB
Shipped Details
04
OrderItemID
ShippedDate
Date_Confirmed
shipped Unit DB
shippedItemFact
05
OrderItemID
Serial NO
Confirmed date
shipped DB
InvMaterialTranFact
06
Serial NO
Cost DB

Fig 2

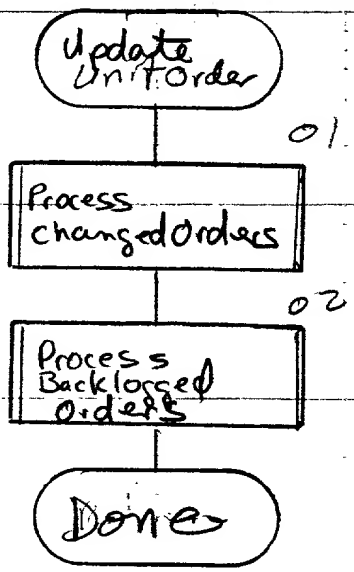
Update Unit Order
01
Process changed Orders
02
Process Backlogged Orders
Done

Fig 3

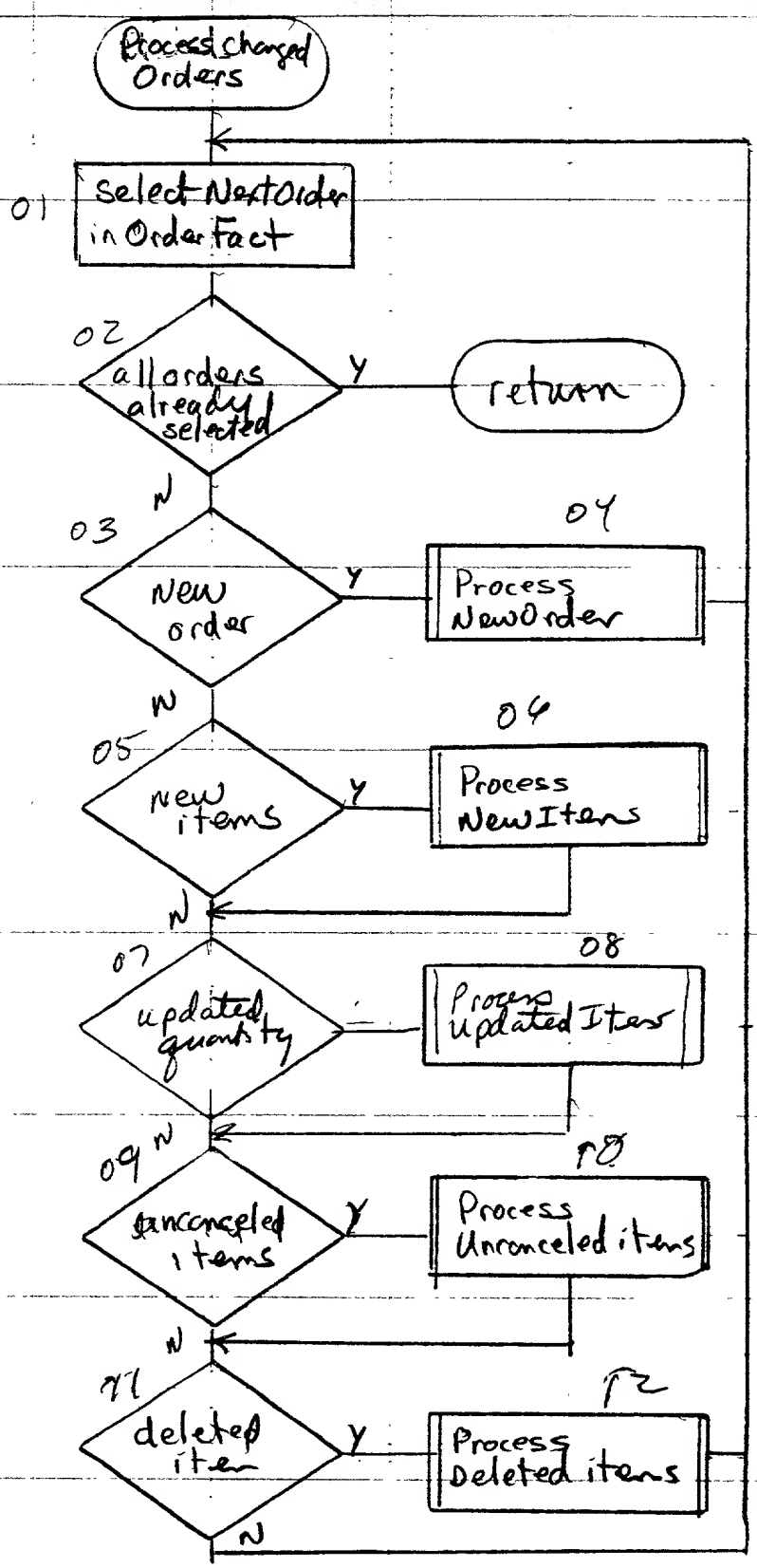

Fig 4

PCT/US99/30000

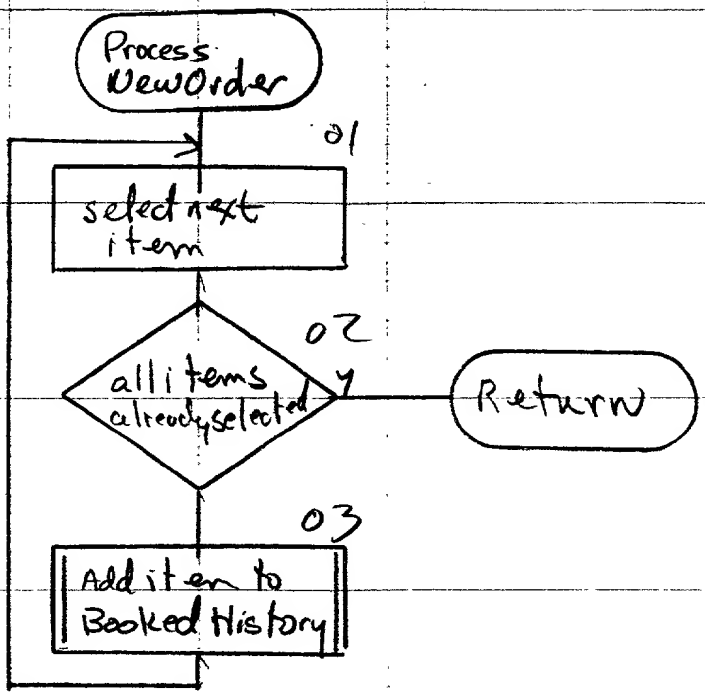
Process NewOrder
01
select next item
02
all items already selected
y
Return
03
Add item to Booked History

Fig 5

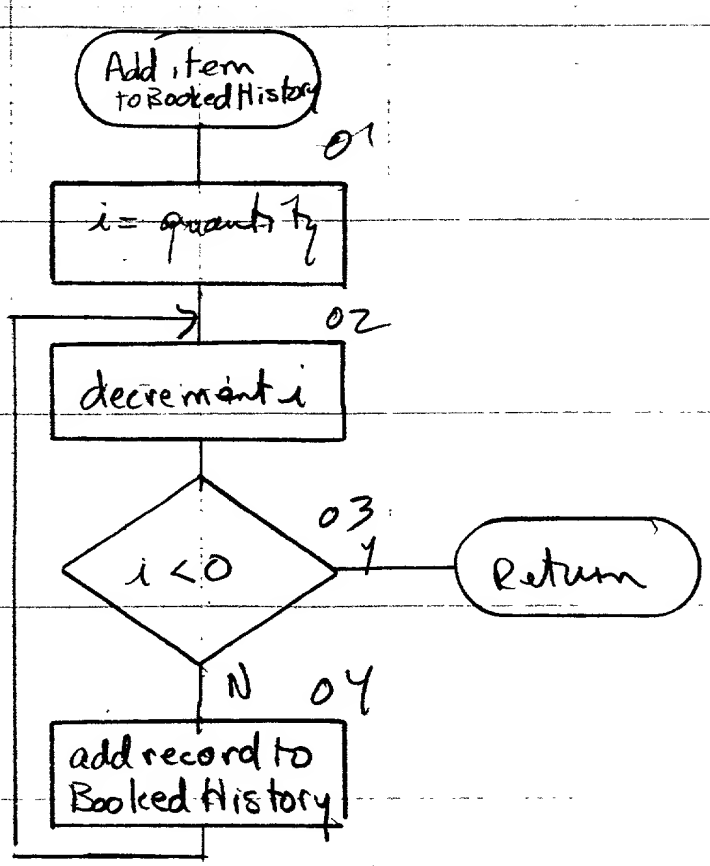
Add item to Booked History
01
i = quantity
02
decrement i
03
i < 0
Y
Return
N
04
add record to Booked History

Fig 6

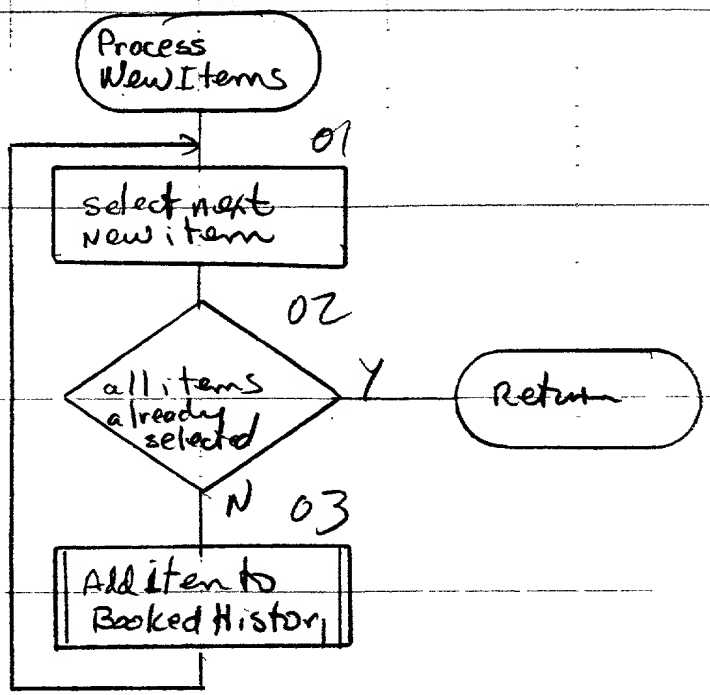
Process New Items
01
select next new item
02
all items already selected
Y
Return
N
03
Add item to Booked History

Fig 7

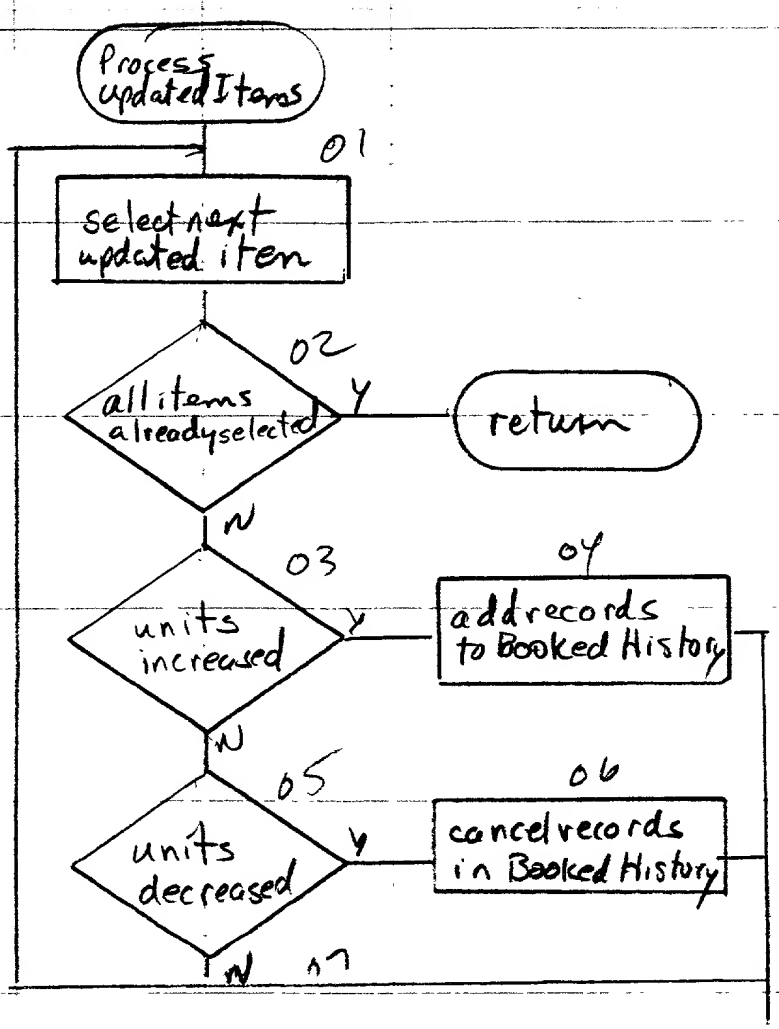
Process Updated Items
01
select next updated item
02
all items already selected
Y
return
N
03
units increased
Y
04
add records to Booked History
N
05
units decreased
Y
06
cancel records in Booked History
N
07

Fig 8

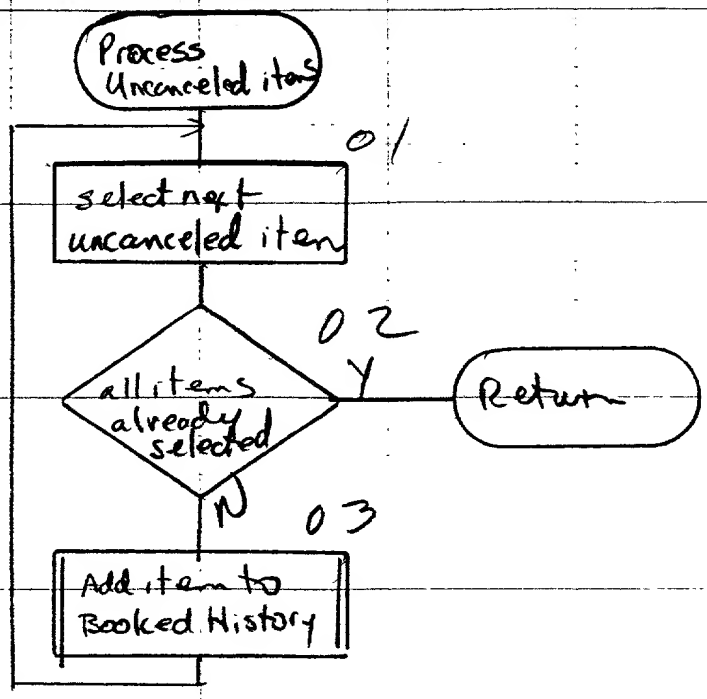
Process Uncanceled items
01
select next uncanceled item
02
all items already selected
Y
Return
N
03
Add item to Booked History

Fig 9

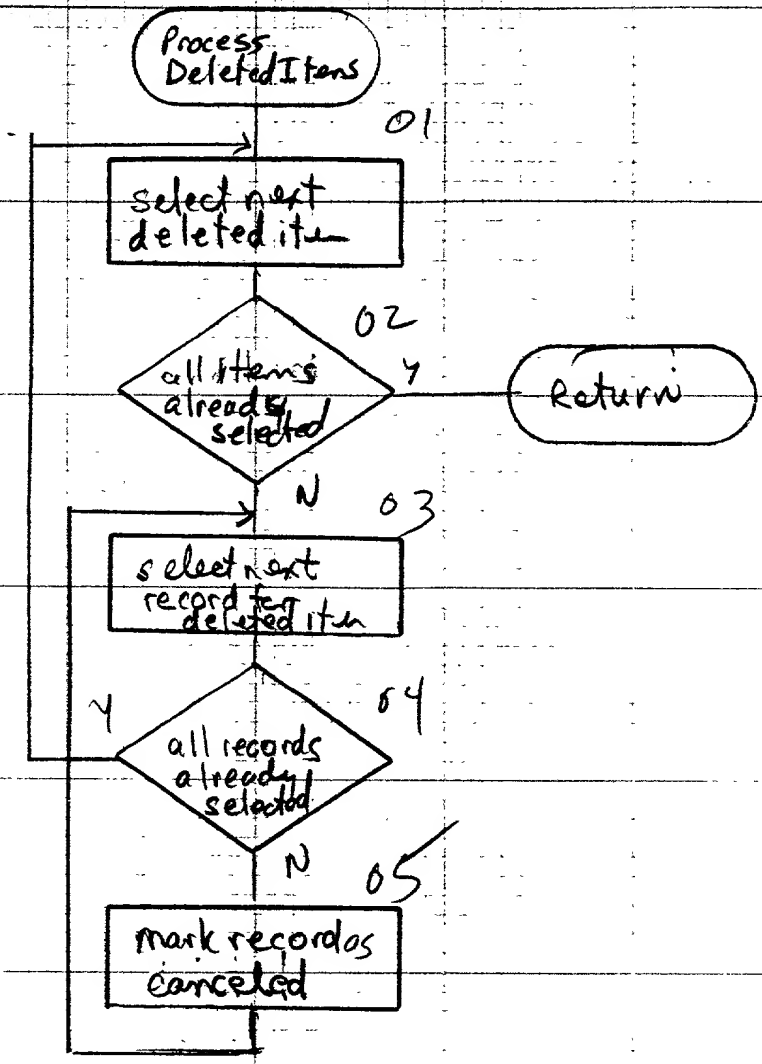
Process DeletedItems
01
select next deleted item
02
all items already selected
Y
Return
N
03
select next record for deleted item
04
Y
all records already selected
N
05
mark records as canceled

Fig 10

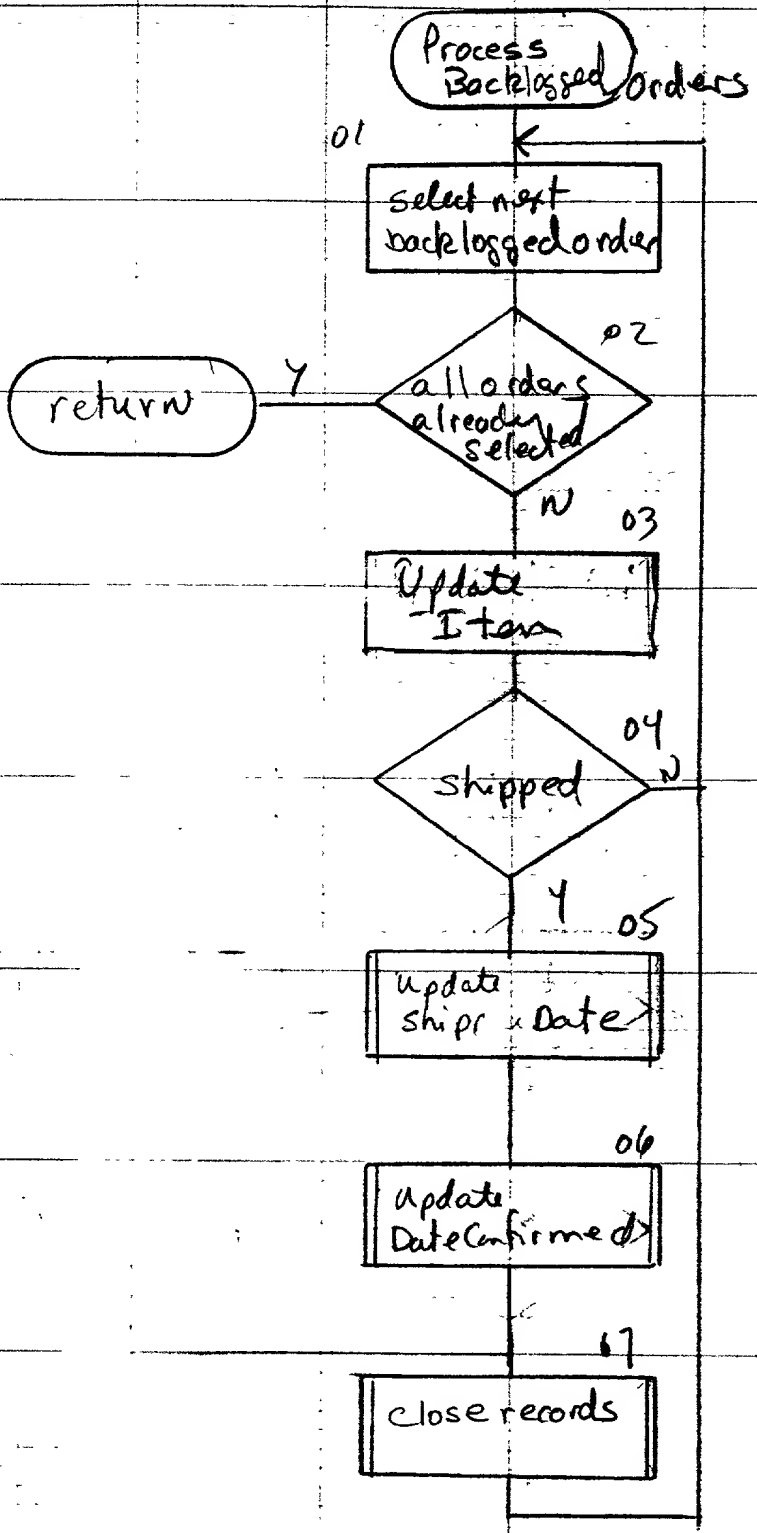
Process Backlogged Orders
01
select next backlogged order
02
all orders already selected
Y
return
N
03
Update Item
04
shipped
N
Y
05
update ship Date
06
update DateConfirmed
07
close records

Fig 11

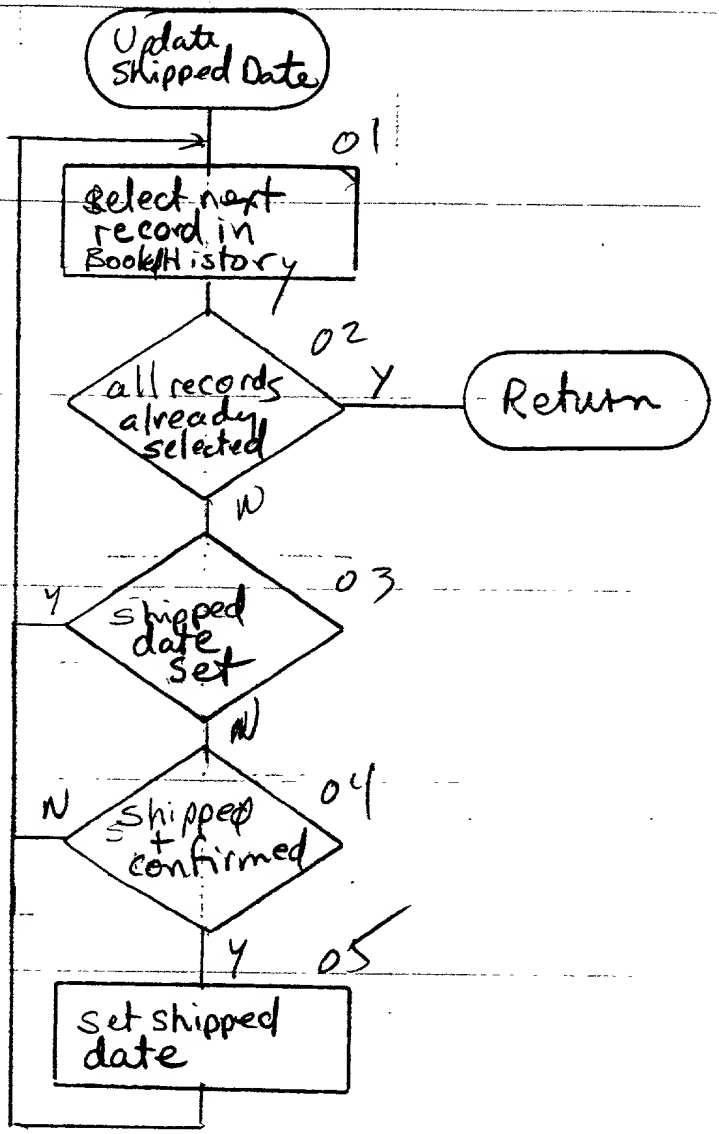
Update Shipped Date
01
Select next record in BookHistory
02
all records already selected
Y
Return
N
03
Y
shipped date set
N
04
N
Shipped + confirmed
Y
05
set shipped date

Fig 12

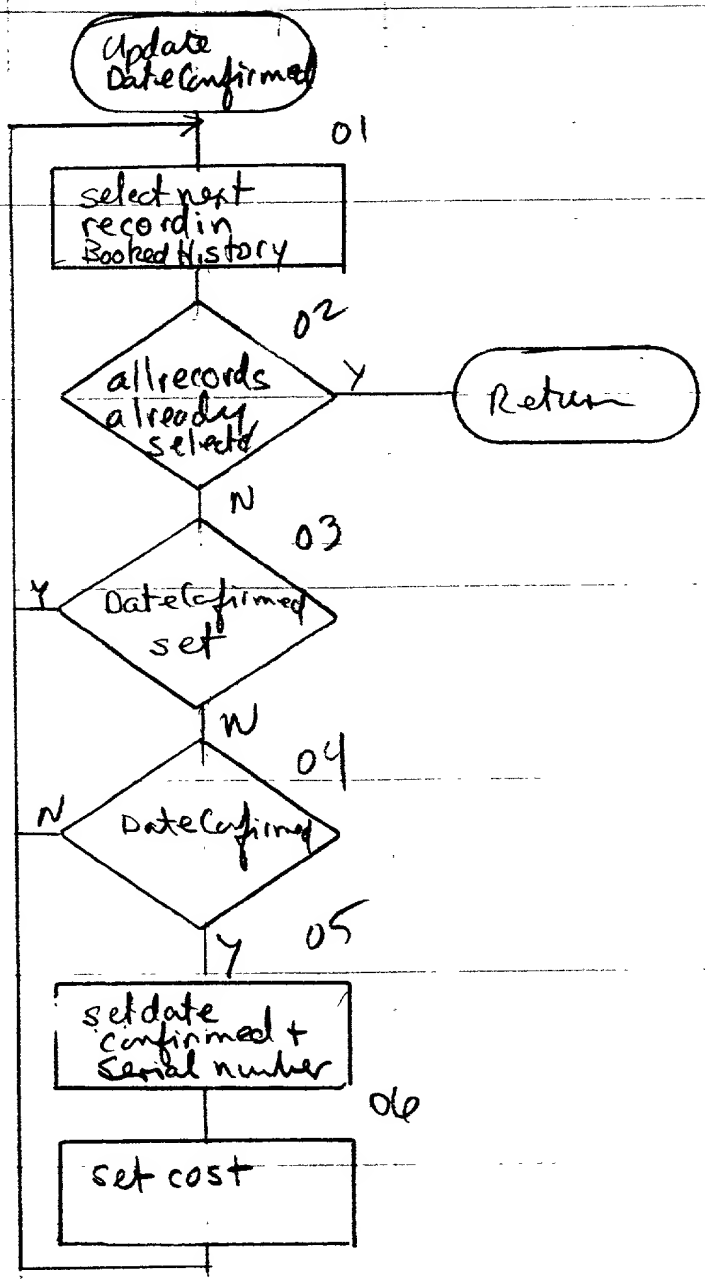
Update DateConfirmed
01
select next record in Booked History
02
all records already selected
Y
Return
N
03
Y
DateConfirmed set
N
04
N
DateConfirmed
Y
05
set date confirmed + Serial number
06
set cost

Fig 13

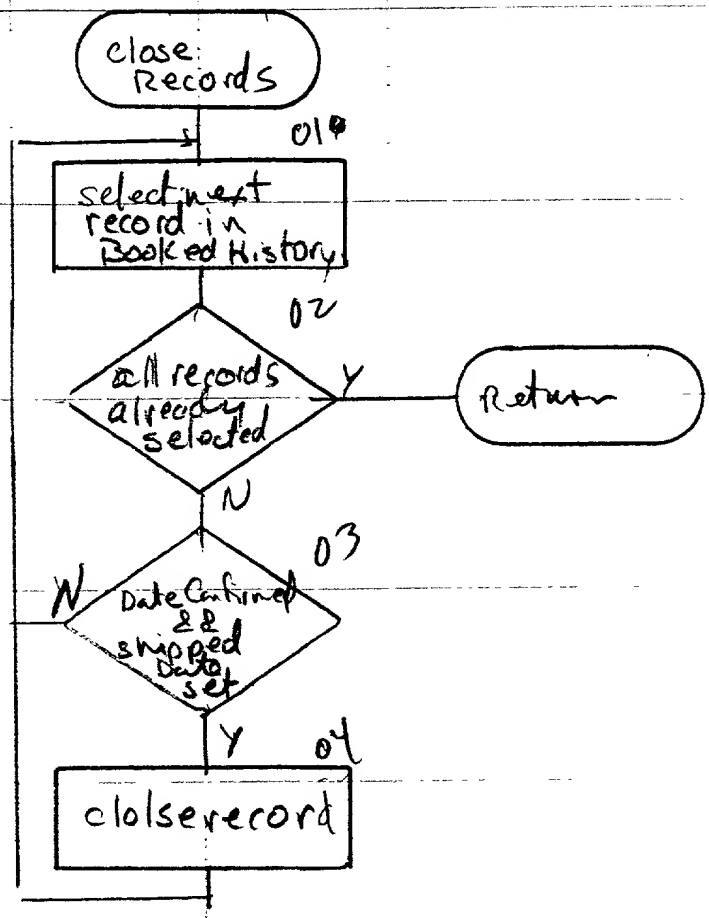
close Records
01
select next record in Booked History
02
all records already selected
Y
Return
N
03
N
Date Confirmed && shipped Date set
Y
04
clolserecord

Fig 14